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11/18/03
PATENT DH

Customer No. 22,852
Attorney Docket No. 6720.0061

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)

Yung-Hui CHEN et al.)

Application No.: 09/656,172)

Filed: September 6, 2000)

For: BROADBAND SINGLE-ENDED
INPUT UPCONVERTER)

) Group Art Unit: 2685

) Examiner: T. Nguyen

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Technology Center 2600

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

RESPONSE TO RESTRICTION REQUIREMENT

In the Office Action dated October 6, 2003, the period for response to which extends through November 6, 2003, the Examiner required restriction under 35 U.S.C.

§121 between the following groups of claims:

Group I, claims 1-31, characterized by the Examiner as drawn to an upconverter and its corresponding method for modulating an input signal to provide an output signal;

Group II, claims 32-35, characterized by the Examiner as drawn to an upconverter with its (separate) method for mixing a single-ended RF signal with a differential local oscillator to generate a differential IF signal (claiming a mixer with its detail circuitry); and

and Group III, claim 36, characterized by the Examiner as drawn to an upconverter chip with its detail components.

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Applicants provisionally elect to prosecute Group I, including claims 1-31.

If there are any fees due in connection with the filing of this response that are not attached, please charge the fees to our Deposit Account No. 06-0916. If an extension of time under 37 C.F.R. §1.136 is required and not requested by attachment, such an extension is requested and the fee should be charged to our Deposit Account.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,
GARRETT & DUNNER, L.L.P.

Dated: November 6, 2003

By:  Reg 24,014
Richard V. Burgujian
for Reg. No. 31,744

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